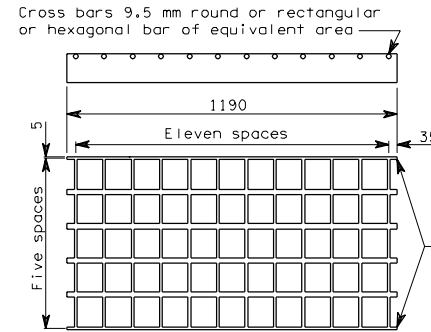
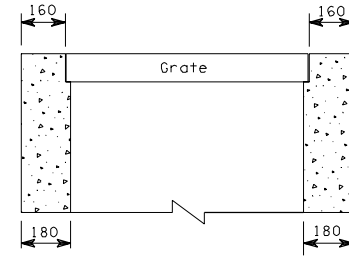


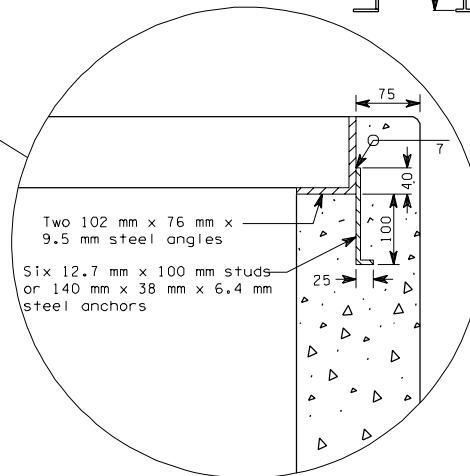
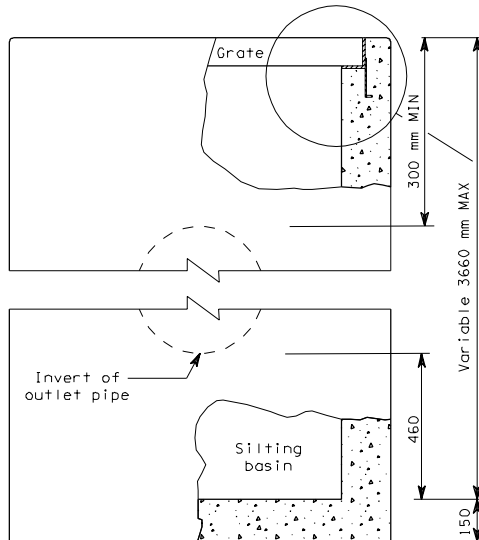
GRATE A
(Mass is Approximately 98 Kg)



GRATE B
(Mass is Approximately 98 Kg)



SECTION C-C



NOTES

- Angles shall be set so that each bearing bar of prefabricated grate shall have full bearing on both ends. The finished top of concrete shall be even with the grate surface.
- All exposed concrete shall be finished with a 13 mm radius edger tool.
- The grade line of the top inside of any pipe shall enter no lower than the grade line of the top inside of the outlet pipe.
- Culvert or sewer pipes may be set at any angle to the centerline of the highway and may enter the inlet on any side at any reasonable angle, provided the outside of the pipe can be contained between two opposite walls.
- Grate B will be used only when specified in the Contract.

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED

GRATE INLET TYPE 1

STANDARD PLAN B-4b

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER

DATE

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON